

Abstract of the Disclosure

A sensor device for measuring distance between a stator and a rotor in a machine is of the magnetic type and is intended to be mounted in the stator in order to interact with an opposing surface on the rotor. A sensor body (10) can be moved axially in a housing (11) mounted in the stator by means of an operating mechanism (13) and has a stop (16) at a predetermined distance (e) from its end surface designed to interact with a corresponding stop (17) inside the housing. This distance (e) exceeds the distance (d) between the stop (17) in the housing and the end of the sensor body (10) by a predetermined distance (c) when the sensor body is in its normal measuring position. These stops (16, 17) make possible a particularly accurate calibration of the sensor device.